



Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): An information processing system comprising:
an information processing apparatus which is used to operate a plurality of applications to request data input/output to/from a storage; and
a management host which manages said storage,
wherein said storage and said information processing apparatus constitute an access process section for processing an access request from said an application;

wherein said information processing apparatus comprises an access monitoring section which monitors an access request from said application and obtains information about said access request for each of said applications; and

wherein said management host comprises:

an acceptance section which accepts specification of a new application;

an estimated load calculation section which calculates estimated amount of load data accessed from said application to said storage, in case of addition of said new application based on information obtained by said access monitoring section; and

a load data output section which outputs the estimated amount of load data calculated by said estimated load calculation section.

2. (currently amended): The information processing system according to claim 1,

wherein said management host comprises a current load calculation section which calculates current amount of load data accessed from said application to said storage based on information obtained by said access monitoring section; and

wherein said estimated load calculation section calculates estimated amount of load data in case of addition of said new application based on current amount of load data calculated by said current load calculation section and based on information obtained by said access monitoring section.

3. (currently amended): The information processing system according to claim 1,

wherein said storage comprises at least one port and at least one array group including a plurality of disk units;

wherein said information processing apparatus accesses, via said at least one port, a virtual area provided by said at least one array group;

wherein said access process section includes said at least one port and said at least one array group; ~~comprises at least first and second access process sections for processing different phases of said access request; and~~

wherein said estimated load calculation section calculates each of estimated amount of load data in said at least one array group ~~second access process section~~ when a new application is added.

4. (currently amended): The information processing system according to claim 3,

~~wherein each of said first and second access process sections includes a plurality of configurations having similar functions;~~

wherein said configurations for said at least one port and said at least one array group ~~first and second access process sections~~ comprise a configuration information storage section which stores information about available combinations capable of processing said access request; and

wherein said estimated load calculation section calculates estimated amount of load data with respect to said available combinations of said configurations for said at least one port and said at least one array group ~~first and second access process sections~~.

5. (currently amended): An information processing system comprising:
a storage which stores a database_i[,]
a plurality of information processing apparatuses which are used to operate an application requesting data input/output to/from said storage_i[,] and

a management host which manages said storage,
wherein each of said information processing apparatuses ~~apparatus~~ comprises:

a database management system which processes an access request from said application to said database;

an access monitoring section which monitors an access request sent from said application to said database management system and obtains information

about said access request; and

an access information output section which collects information about said access request and adds up said information correspondingly to said application, and

wherein said management host comprises:

an acceptance section which accepts specification of a new application;

a current load calculation section which calculates current load data based on information obtained by said access monitoring section;

an estimated load calculation section which calculates estimated amount of load data accessed from said application to said storage, calculated by said current load calculation section and based on information obtained by said access monitoring section;

a load data output section which outputs estimated amount of load data calculated by said estimated load calculation section; and

a configuration setup section which sets up a change in configuration of said storage based on the estimated amount of load data calculated by said estimated load calculation section.

6. (currently amended): An information processing system comprising:

a storage which stores a file_i[,]

a plurality of information processing apparatuses which are used to operate an application requesting input/output of data stored in a file to/from said storage_i[,]
and

a management host which manages said storage,

wherein each of said information processing apparatus apparatuses comprises:

- a file system which processes an access request from said application to said file;
- an access monitoring section which monitors an access request sent from said file system to said storage and obtains information about said access request;
- and
- an access information output section which collects information about said access request and adds up said information correspondingly to said application, wherein said management host comprises:
 - an acceptance section which accepts specification of a new application;
 - a current load calculation section which calculates current amount of load data ~~accessed from said application to said storage~~ based on information obtained by said access monitoring section;
 - an estimated load calculation section which calculates estimated amount of load data accessed from said application to said storage, in case of addition of said new application based on current amount of load data calculated by said current load calculation section and based on information obtained by said access monitoring section;
 - a load data output section which outputs estimated amount of load data calculated by said estimated load calculation section; and
 - a configuration setup section which sets up a change in configuration of said storage based on estimated amount of load data calculated by said estimated load calculation section.

7. (currently amended): A control method of an information processing system comprising an information processing apparatus which is used to operate a plurality of applications to request data input/output to/from a storage[;] and a management host which manages said storage, said method comprising the steps of:

monitoring an access request from each of said applications;

obtaining information about said access request for each of said applications;

calculating current amount of lead data accessed from each of said applications to said storage, in case of addition of said new application based on information about said obtained access request;

accepting specification of a new application;

calculating estimated amount of lead data accessed from each of said applications to said storage, in case of addition of said new application based on information about said obtained access request;

calculating estimated amount of lead data in case of addition of said new application based on said calculated current ~~lead~~ data and information about said obtained access request; and

outputting said calculated estimated amount of lead data.

8. (currently amended): The ~~information processing system control~~ method according to claim 7,

wherein said storage comprises at least one port and at least one array group including a plurality of disk units;

wherein said information processing apparatus accesses via said port, a virtual area provided by said at least one array group;

wherein said estimated amount of load data is calculated in case of addition of a new application for each of said at least one port and said at least one array group ~~first and second access process sections~~ to serially process in series said access request and for available ~~possible~~ combinations of configurations of said at least one port and said at least one array group ~~first and second access process sections~~.

9. (currently amended): A program for calculating ~~to calculate~~ load data in an information processing system comprising an information processing apparatus which is used to operate a plurality of applications to request data input/output to/from a storage[;] and a management host which manages said storage, wherein said program ~~allows said system to function as~~ is tangibly embodied on a machine-readable storage device, the program comprising:

means for monitoring an access request from said application and obtaining information about said access request for each of said applications;

means for calculating current amount of load data accessed from said application to said storage based on information about said obtained access request;

means for accepting specification of a new application;

means for calculating estimated amount of load data accessed from said application to said storage, in case of addition of said new application based on information about said obtained access request;

means for calculating estimated amount of load data in case of addition of said new application based on said calculated current amount of load data and information about said obtained access request; and

means for outputting said calculated estimated amount of load data.

10. (currently amended): The program according to claim 9,
wherein said storage comprises at least one port and at least one array group including a plurality of disk units;
wherein said information processing apparatus accesses, via said at least one port, a virtual area provided by said at least one array group;
wherein said means for calculating estimated amount of load data calculates the estimated amount of load data in case of addition of a new application for each of said at least one port and said at least one array group to serially process in series said access request and for available possible combinations of configurations of said at least one port and said at least one array group first and second access process section.